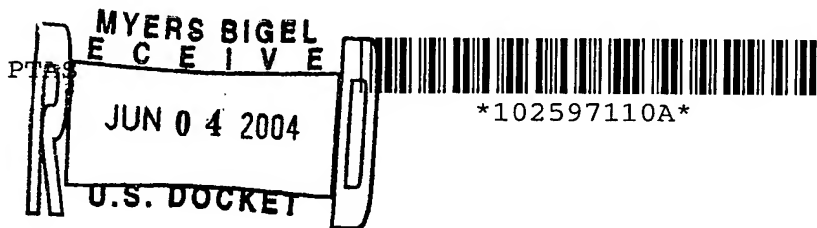


UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAY 28, 2004

MYERS BIGEL SIBLEY ET AL.  
ROBERT N. CROUSE  
P.O. BOX 37428  
RALEIGH, NC 27627



UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/03/2003

REEL/FRAME: 014664/0387  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

VANCE, SCOTT L.

DOC DATE: 10/31/2003

ASSIGNEE:

SONY ERICSSON MOBILE  
COMMUNICATIONS AB  
NYA VATTENTORNET  
S-221 88 LUND, SWEDEN

SERIAL NUMBER: 10699048

FILING DATE: 11/03/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: MULTI-BAND PLANAR INVERTED-F ANTENNAS INCLUDING FLOATING PARASITIC ELEMENTS AND WIRELESS TERMINALS INCORPORATING THE SAME

06-04-04 A09:21 11

# ASSIGNMENT RECORDATION

11-10-2003

ts Only



102597110

To the Honorable Commissioner of Pate

Date: October 31, 2003

Attorney Docket No. 9314-55

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

11.3.03

Scott L. Vance

2. Name and address of receiving party(ies):

Sony Ericsson Mobile Communications AB  
Nya Vattentornet  
S-221 88 Lund  
Sweden

22386 U.S. PTO  
10/699048



Additional name(s) of conveying party(ies) attached? Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment  
☐ Merger  
☐ Security Agreement  
☐ Change of Name  
☐ Other

Execution Date: October 31, 2003

Additional name(s) & address(es) attached? Yes ☐ No

4. Application Serial No. \_\_\_\_\_ Patent No. \_\_\_\_\_

10699048

If this document is being filed together with a new application, the execution date of the application is: October 31, 2003

Additional numbers attached? Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Robert N. Crouse  
Myers Bigel Sibley & Sajovec  
P. O. Box 37428  
Raleigh NC 27627

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00  
☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number: 50-0220

11/07/2003 DRYME 00000082 10699048

01 FC:8021 DO NOT USE THIS SPACE

9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Robert N. Crouse, Reg. 44,635

Name of Person Signing

Signature

10/31/03  
Date

Total number of pages including cover sheet, attachments and document: 3

Attorney Docket 9314-55

## ASSIGNMENT

THIS ASSIGNMENT, made by me, **Scott L. Vance**; citizen of the United States of America, residing at 132 Woodland Drive, Cary, North Carolina 27513-3105;

WITNESSETH: That,

WHEREAS, I am the sole inventor of certain new and useful improvements in **MULTI-BAND PLANAR INVERTED-F ANTENNAS INCLUDING FLOATING PARASITIC ELEMENTS AND WIRELESS TERMINALS INCORPORATING THE SAME**, for which an application for United States Letters Patent has been filed, or is being filed concurrently, in the United States Patent and Trademark Office. I hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known or to file this Assignment concurrently with the application, and

WHEREAS, **Sony Ericsson Mobile Communications AB**, a corporation organized under the laws of Sweden, having a principal place of business at Nya Vattentornet, S-221 88 Lund, Sweden, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I have sold and by these presents do hereby sell, assign, transfer and convey unto the said assignee, its successors and assigns, the entire right, title and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

I hereby request that said Letters Patent be issued in accordance with this assignment.

I further covenant and agree that, at the time of the execution and delivery of these presents, I possess full title to the invention and application above-mentioned, and that I have the unencumbered right and authority to make this assignment.

I further covenant and agree to bind my heirs, legal representatives and assigns, promptly to communicate to said assignee or its representatives any facts known to me relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns and other legal representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 31 day of Oct, 2003.

Scott L. Vance (SEAL)  
Scott L. Vance

STATE OF NORTH CAROLINA )  
 ) ss:  
COUNTY OF WAKE )

Before me personally appeared the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this 31<sup>st</sup> day of October, 2003.

Deanna J. Lewis  
Notary Public

SEAL

My Commission Expires: 1-19-2008



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## Assignments on the Web &gt; Patent Query

## Patent Assignment Abstract of Title

**NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.**

## Total Assignments: 1

Patent #: NONE

Issue Dt:

Application #: 10248082 Filing Dt: 12/17/2002

Publication #: US20040198293 Pub Dt: 10/07/2004

Inventors: Robert A. Sadler, Huan-Sheng Hwang, Gerard James Hayes

Title: MULTI-BAND, INVERTED-F ANTENNA WITH CAPACITIVELY CREATED RESONANCE, AND RADIO TERMINAL USING SAME

## Assignment: 1

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Assignors: SADLER, ROBERT A.

Exec Dt: 12/09/2002

HWANG, HUAN-SHENG

Exec Dt: 12/09/2002

HAYES, GERARD JAMES

Exec Dt: 12/09/2002

Assignee: SONY ERICSSON MOBILE COMMUNICATIONS AB

NYA VATTENTORNET

LUND, SWEDEN S221-88

Correspondent: MOORE &amp; VAN ALLEN, PLLC

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